DIA TOME TO THE

INTERPTORISE OF AND MERCHENCH ALVICE

esearch and Analysis Branch

R & A No. 2558.3

JAMES OF THE PRODUCTION INDUSTRIALS

TAIT III

lotor Vehicle and Tank Industry

#### Description

Discussion of the Japanese motor vehicle and tank industry; corporate structure and the history of governmental control receive the major emphasis. The capacity and technological aspects of this industry are also discussed.

31 October 1945

RESTRICTED

#### III. TOTOL VITTOR ALD CAL TIDUTERY

#### ... Production: Physical and Vechnical Aspects

#### 1. Conoral Background.

The Japanese motor vehicle industry, virtually nonexistent wier to 1936, is still extremely small by western standards. Its appregate canacity has been assessed at from 70,000 to 90,000 vehicles of all types per year. If trucks alone were produced, as recent intelli ence su rested, Japanese annual motor vehicle menufacturing capacity was probably of the order of 70,000 one and one-half ton or larger vehicles in 1944. Output for that year was estimated at 15,000 motor trucks. The motor vehicle industry is estimated to have had a capacity of about 3,000 tenks annually (1 January 1945), but no more than 400 tanks were estimated to have been produced in 1944. In spite of considerable conversion of its facilities to higher priority production, the industry apparently was able to fulfill all essential wartime requirements. The army's losses in combat were small, gains by conquest substantial, and domestic truck requirements neeligible. Shortage of fuel and repair parts prevented trucks from securing an important position in incustrial transport.

The automobile industry as probably the most backward branch of the metal and machinery group in the country in 1936, and the total number of motor vehicles in use was only 134,094. Nevertheless it had made considerable strides since 1929.

the the sea define and not only small quantitatively but noor in quality. About two-thirds of the domestic production consisted of small run-shouts, such as the " atsun passenger cer. You So n reent of eutos, engines, and parts are imported from the U.S. as lete as 1934. t the some time, the merican come nies also developed the habit of introducing blue prints into Jaman and contracting with various Jananese producers to a nufacture spare parts and components. (See appendix INTa for a list of component producers who did business with Tord in Japan.)

Tank production was so small as to represent little drain on truck component or assembly facilities. In the year 1944, it is estimated that Japan weduced in addition to trucks and tanks, 10,000 motorcycl s, 800 trailers, and 200 tractors. Tables 4 and 5 summarize the growth of production for trucks and automobiles respectively. The former table also attempts to show the over-ell truck mosition as well as give production date for recent times. The latter table is of historical interest only.

In order to achieve her 1944 level of vehicle production, Japan was devoting a labor force of about 150,000 to that field. (See R & 2271, Industrial Distribution of the Topulation of Jaman.)

- 2. Importance to the Filitary.
- a. Filitary Encouragement. The approach of the Jan nese to the establishment of a native automotive industry the not besed upon conomics but upon the opinion of the Japanese Government that reasons of national defense required such a stop regardless of the coat. National bride was also

involved. Automobiles were considered an indispensable necessity for the expanding military forces. The Japanese army was the most influential

JII-173-

Fable A.
FORCE COMPOLISE THE ETORY

(In thousands of vehicles)

Year	Registrations (as of 1 Jan)	New Toduction	Imports	Accuired in Occupied Tornitory	Wastego
1929	23.4	.2	14.3		10.3
1930	27.6	• 1,	10.0	%	5.4
1931	32.6	.5	9.1	*	6.7
1932	35.5	.7	6.6	*	6.2
1933	36.6	1.6	7.3	*	6.2
1934	39.3	1.9	13.9		10.2
1935	44.9	1.8	13.8	*	0.8
1936	51.9	3.0	13.8	4	8.6
1937	60.1	5.0	16.3	5.0	6.5
1938	79.9	8.0	12.7	5.0	22.2
1939	83.4	15.0	10.9	5.0	17.4
1940	96.9	20.0	.8	4.0	10.5
1941	111.2	15.0		12.7	15.8
1942	123.1	20.0	*	50.2	26.0
1943	167.3	20.0	*	1.0	20.9
1944	159.4	15.0			

<sup>\*</sup>Loss than 500 vohicles

Tra. Tra. oca

CROTANI OF TH. J. TAN. S. AUFONOBILIS INDUSTRY 1929-1936

Year	Domestic Datetion	Cars Imported or .ssembled from Imported Farts	Assembled from Im- ported Parts.
1929	437	29,338	
1930	458	19,678	
1931	4.34	20,109	
1932	84,0	14,007	13,853
1933	1,612	15,082	14,373
1934	2,701	33,458	29,689
1935	5,355	30,787	27,021
1936(cst.)	9,633	30,997	

and insistent supporter of the government policy in promoting a purely Japanese a temotive industry. It insisted that Japanese a temotive industry. It insisted that Japanese a temotive industry. It insisted that Japanese a independent of all foreign makers of trucks. With the eid of a heavy government subsidy, increased import duties, and restricted operations on the part of foreign motor car manufacturers, a domestic automobile industry was established, and two films were charged with the objective of turning out some 60,000 cars and trucks annually by about 1942. The military, who constituted the only group of consumers in Japanese made cars to reliance upon any foreign source of supply, were not interested in passencer cars; they were not interested in any export market; they were not interested in style changes or appearance of the truck. They considered the matter purely from the point of view of military necessity in its most restricted sense.

b. Covernment Subsidy and Tariffs. Automobiles manufactured in Japan could hardly have been sold without government assistance. Trucks manufactured by military authorities were produced on the basis of government subsidy, the government buying most of the output and subsidizing private business concerns into buying the rest. For example, in the immediate pre-war period, the covernment provided a subsidy of ¥300 per military motor truck of the six-wheel, one and one-half metric ton type. It cost about ¥3,000 for the Japanese producer to make a standard sine car for the small pre-war Japanese merket. The Toyode truck, which is a combination of the parts of three american cars, was sold to the general rublic for ¥1,500.

According to Japanese sources, it was sold at a loss of ¥3,500.

As a result of this cost position, and ignoring differences in quality, it is obvious that they computition with the American

producer was impossible. Indeed, import duties for 1938 were equivalent to approximately 49 percent ad valorem on both cars and parts.

Dof. Doc. 363

c. Military Dependence on Potor Vehicles. On the whole the Japanese military forces were relatively less dependent on tanks and motor vehicles then those of the United States or any of the major Muropean powers. Comparative T.O. requirements indicated that in the year 1943 Japan se armored divisions contained approximately one-fifth as many tanks as U. . armored divisions and slightly more than a third as many tanks s the German and British or ored divisions. T.O. requirements for Japanese infantry divisions were correspondingly low. hile a Gorman division (15,379 mon) had 1,122 cars and trucks and 358 motorcycles, a Japanese infantry division (20,000 men) had only 60 cars and trucks and 20 motorcycles. It is evident, therefore, that the Japanese motor vehicle and tank equipment was far bolds the scale of other powers. Table 6 indicates the estimated holdings of the Japanese Army for vehicles of verious types.

TABLE 6.

	lo. in hands of organized divisions	GHO reserves as 5 of front- line strength	Total
Light Tonks	4,000	10	4,400
Lodium Tanks	2,500	1.0	2,750
Armored Cars	300	10	330
lotor Trucks	70,000	15	30,500

ways been much less dependent on motor vehicles for transportation than any of the western countries. At the beginning of 1938, for example, Japan had on the average only one truck or bus for 700 people as against one for 38 people in the United States, 81 people in the United Lingdom, and 186 in Germany. Liven Italy and the USAR ranking next lowest to Japan, had about twice as many trucks or busses per capita.

The Japanese rely for transportation primarily on their excellent railroad system and water-borne conveyances. In certain parts of Japan, human and animal carriage is extensively utilized. Moleover, the svailable motor vehicles are intensively utilized and, by American standards, heavily overlanded. This reliance on rail and ship transport is in part due to the several following economic fectors.

disadvantageous cost position could be applied to the manufactur, not only of the standard size american-type car but also to manufacture of the Datsun or midget cars. Practically speaking, there was no foreign competitor of the Japanese midget car in the Japanese market. The anglish baby mustin and anglish Baby Ford sold a few units, and they were far superior in quality to the Datsun. But the Japanese people aid not take readily to a midget car even when it was priced as low as the Datsun. It would have had to be sold for considerably under ¥ 1,000 to find a substantially larger market, and this would probably result in a loss of ¥ 2,000 or more per unit to the manufacturer. The small output of the Japanese automobile factories is, in turn, the principal cause of the high cost of production.

b. Labor, Materials, and Yaching Tool Costs. The labor cost is the only factor which favors Japan in the production of automobiles. Materials, nearly all of which are imported, and machine tools, which until very recently Were likewise imported, are more expensive in Javan then in the United States. This was rebably true even under the law of 1936 for promoting the Japanese automotive industry, which decreased the cost of meterials and mechine tools by exempting them from mayment of import tariffs. In the past, Japanese producers in addition have not invested heavily in the costly special machine tools which are an important feature of American automobile plants. This fact has made the relative cost of plant equipment lower, but has likewise reduced the mechanical officioncy of the plant. There remains the question of whether Japanese lebor and relatively elementary machine tools can reduce the cost of production to a point where Japan se manufacturers can open to on a paying basis in a free merket situation.

c. Japanese Use of American Techniques. in offsetting subsidiry question concerns patent infringements by Japenese moducers through the wholesale copying of American automobiles. In the n st, when ver the Japanese automobile menufacturers wished to putent a feature belonging to an American car, the Janunese atent Law seemed to have been complied with if public notice of the application for a patent were given in an obscure newspaper published in a distant part of the country where there were no foreigners who were likely to be able to read Jananese. In a matter which was admittedly so vital to the Jamaneso Covernment, patent restrictions were never permitted to interfe \* \* \* \* \* . -8-

#### 4. Technological Aspects.

a. Tool Capacity. Basic manufacturing processes in the automotive field are light and modium engineering manufacturing processes largely dependent on precision machine tools, heavy presses, and forges. Japan was in the habit of importing the bulk of her specialized and precision tools, largely from the United States, but in the past few years, including the war period, she made a marked and resourceful effort to become self-sufficient in most machine tool lines. It is probable that the recently developed and reasonably adequate machine tool capacity of Jopen could in a few months replace even such social and critical tools as cylinder block mechines, he wy oranksheft lathes and grinders, gear-cutters, hobbers, grinders, homers, presses, and auxiliary equipment for forgings and stampines.

That has been said of motor vehicles is also true of tanks. Much of the equipment in tank lints consists of large machine tools, the manufacture of which requires a long time; however, given her present machine tool capacity, Japan could probably retool her present plants in a year. It must also be remembored that a large part of the facilities used in the production of heavy machinery, locomotives, other railway equipment, and tanks is interchangeable.

The manufacture of motorcycles and three-whockers requires little specialized equipment. If plants were dismentled, production could probably be dispersed to many small shops equipped with standard light machine tools.

### 5. Principal Paw ! torials.

a. Su ply. Until very recently most of the raw metorials for Japan's automotive industry h d to be partially or entirely imported from forcign countries. These materials included such essentials as magnesium, nickel, mig iron, special steels, aluminum, raw cotton, and rubber. It is understood that fairly heavy stocks of some of these meterials tere being held in reserve for some time. Fort of the supplies of nickel were obtained either directly or indirectly from Connac. Cormany normally furnished a large proportion of the special steels. In 1938 Japan imported 70 percent of her rubber from British Malaya; most of the remainder was supplied by the Nothorlands Net Indics and British Bornoo.

Although, because of wartime conditions, Japan may have originally found herself in difficulties for the lack of essential raw meterials -- particularly high-aredo alloy stacks necessary in the manufacture of such critical automotive parts as crank-shofts, cam shofts, etc. -- \* \*

she clearly contrived to immove her cituation during the wartime period by development of new installations and techniques and by widesproad use of substitute materials. " "

b. Iron and Stuck. Before the war, Japan depended on imported iron ore for 80-90 percent of her ore consum tion. The bulk of her scrap needs were also imported, mainly from the United States. During the war her iron and steel industry depended almost entirely on iron ore and coking coal mined on the continent. In 1943 lanchuria, lores, the Philippines, and Maleya supplied her with the required ore, in that order of importance. Estimates place the effective especity of the steel producing plants in Japan proper in 1944 at about 12,000,00 metric tons, but e recity lays fr xecoded output -- so much so that in 1944 output was alread by the Jonese themselves at no more than 2,000,000 metric tons, with a further mirked decrease for the first querter of 1945. Shipping difficulties and air raids were primarily responsible for this trend. Great as this disparity between canacity and production in 19/4 may appear, in actuality the 19/4 figure (2,000,000 motric tons) is not far from Japan's total prower industrial requirements for stal (3,000,000 matric tons).

Of the four or five million metric tons of mig and anproxim tely equal tonnace of rolled and forged products which were produced in Japan in 1943, bout 225,000 metric tens, or less than 6 percent, was allotted to the "roduction of motor vehicles and tanks.

- (i) Posional Concentration. The iron and steel industry was heavily concentrated in a few important districts (Tokyo, Yokohama, Tobata, Valata, and Anshan, Manchuria).

  Ten localities account for 86 percent of pig iron capacity, 94 percent of steel capacity, and 98 percent of rolled products. The industry is characterized by a few large integrated plants and a host of small plants. The three largest plants account for 30.5 percent of pig iron capacity, 38.2 percent of steel capacity, and 31 percent of rolled steel products. (See Appendix IIIB).
  - (ii) Alternative Domestic Processes. Despite claims for iron sands, it is not believed that these resources are of major quantitative significance in the light of the technological difficulties involved in producing iron of an analysis suitable for steel making. Some iron was made from iron sands by a number of small domestic producers. However, only 250,000 tens of ore are attributed to this source, or enough to produce about 100,000 tens of rolled products.

    Even such limited success may be an indication of possible future developments along these lines, however.
  - (iii) Stock piles. It is not likely that any substantial stock piles of semi-finished steel roducts existed in Japan at the war's end; accordingly, if production exceeded consumntion at any ratiod during the war, stock riles would most likely be in end products. Tooks of pig iron would be determined by the flow of iron one and by the consumntion of steel furnaces. Because of the crisis in Japan's shiming, probably no stocks existed in Japan at the war's end sufficient to carry over an extended integruption of sumplies.

10 10 10 10

orcover, in order

to feed her capacity, it has been necessary for Japan to draw heavily on the limited iron one resources of Lanchuria, China, Herea, Thilimines, and Malaya. The iron and steel industry of Japan has from the outset been one of the most heavily subsidized industries in Japan words, primarily because both coking coal and the ores have had to be imported and the

III-183-

<sup>2.</sup> Subsidies for the steel industry in Japan for the years 1937-1943 inclusive totalled ¥ 353,395,000. The coul industry during the same period received ¥ 790,928.000.

Dof. Doc. 563
TII-184- RESTRICTED

necrest ores avail ble in the Far East are predominantly

low-grade ores averaging 35 to 45 percent in iron content.

6. Structure of the lotor Vehicle Industry. John's motor vehicle industry, like her direraft industry, draws on a very large number of plants for the various components required. Morever, automotive production as such is concentrated in five or six wineign 1 plants. In the case of tanks and large military tractors, only one army assentl and a small number of wrivete plants have been definitely identified as producers. Those of mts which on the basis of indirect avidence, have been eredited with the canacity for tank -roduction are restricted to the small number of nine or ten, while the bulk of the moduction emacity has been allocated to four of the largest. Although there are aleven ! nown makers of motorcycles and three-whoelers ("sanrishes"), six plants account for about 75 percent of the capacity. (See A pendix IIIc for list of plents producing trucks, military tractors, tanks, and other vehicles, their capacities and locations; see also kep II.) Finally the production of tires is also highly concentrated; three of mis in Japan and one in Java accounted for over four-fifths of the total in Japanese controlled territories. (See Armendix IIId.).

1. Sagami Arsonal

- B. Organization of the Noter Vehicle and Tank Industry.
- 1. Brick History. The history of the automotive industry in Jopan is a chronicle of military encouragement, government subsidy, and preferential logislation to catablish an industry which was considered essential to national salf-surficiency, prestige, and military efficiency.

As carly as 1918, motor car manufacture in Japan as oncouraged by means of military subsidies to producers of trucks. In 1931 a committee was set blished to study the firm establishment of the automobile industry in Japan. In 1934 on interdop rimental conference was established, composed of officials of the Ministries of War, Mayy, Acilways, Home Affairs, Commerce and Industry, Polician Affairs, Finance and Overseas Affeirs, and of the Resources Bureau of the Cabinet, to discuss measures for the establishment of a national policy for the automobile industry. This interdepartmental conference compiled the basic plan, announced on 9 August 1935, for the control of the industry and worked out the draft of the Automobile Industry Control Low which was approved by the Cabinet on 28 April 1936. This low sought to fre ze the expension of foreign-controlled acnufacturing interests and ple cod importations on a rigid quota basis. It lee liconsed certain Japanese communics for exclusive manufacture. In return for government supervision over reduction, liconsed companies received a number of outstanding privileges, not the least of which was a practical renopoly of the Japonese motor vehicle industry. (Sec

Appendix IIIe for full text as published in the Official Gazette, 29 May 1936.) The essential features of this draft Law, a cited by the Japanese, are as follows:

## e. automobile Industry Control Law

# (i) Purpose of the Law.

The purpose of the law is firmly to establish the motor car manufacturing industry in Japan with a view to attaining completion of the nation 1 defense and to achieve industrial development.

#### (ii) License System.

- (a) I license must be held by everyone who essembles motor cars which are design ted by order of the Government and everyone who manufactures automobile parts which are designated by the Government, in excess of a certain limit to be fixed by the Government.
- (b) Everyone who receives such a license from the Government must be a joint stock company formed under the laws of Japan, and helf or more of the total stock shares and voting priviletes in the said company must be in the possession of the Japanese subjects or of companies organized under the laws of Japan.

# (iii) Privileges.

- (a) Companies to which licenses are granted shall be exempted from certain classes of taxes for a certain period.
- (b) Special provisions will be made in the Commercial Codes in order that facilities may be offered to automobile manufacturing companies in regard to increases of capital and the floating of depentures.

#### (iv) Protection of Tublic Interests.

- (a) the Government is authorized to issue to the automobile menufacturing companies, whenever necessary, such orders as tro deemed necessary for supervision of the industry and for promotion of the public telrare.
- (b) The bovernment is suthorized to issue such orders as are deemed necessary for the national detense.
  - (v) Acgulations Governing Emportation of .utomobiles and Warts.

When the prices of imported automobiles and imported automobile parts are considered sufficiently low to have a nermful effect upon the rowth of the automobile manufacturing inquatry in this country, the Government may restrict the importation of, and impose higher import duties on, the said automobiles and parts thereof.

(vi) Automobile .anufacturing Andustry Commission. An Automobile Manufacturing Industry Commission shall be organized to consider matters relating to licenses for automobile manuscruzing companies and to the enforcement of this law.

#### (vii) hetroactive Provision.

Those persons who began the automobile manufacturing business, as defined in this law, prior to 5 August 1935, and who are still ingaged in the same business at the time of enforcement of this law, will be permitted to continue such business without holding the aforementioned license but within the limit of their business as it existed prior to 9 August 1935.

### (viii) Asview of the angustry Before 1936.

by virtue of the Automobile Industry Control way, the manufacturin, and assumbling of motor cars was made subject to overnment license. The principal licensees under this law were Wissan Jidosha Jeizo K. T. (Nissen Automobile Comapny) at Yokohama and Toyada Jidosha Rogyo H.R. (Toyoda motor Car Company) at horomo (michi Prefecture). Both were licensed by the rovernment as mass production manufacturers of so-called popular type cars and trucks. Lach of these plants before the war was licensed to manufacture 13,500 units per year.

At the same time Ford was liven a production quota of 12,360 cars per annum, and General Motors was given a quota of 9,470.

These quotes were based on everage production during the three preceding years. Under the quotas either passenger cars or trucks could be imported. After the end of 1938, however, no passenger cars could be imported commercially or manufactured. Most of the american trucks imported were sold to the Japanese military authorities.

In keeping with their projected program and as a result of the success of the bissan and Toyoda developments and the lack of forcian exchange, the Japanese authorities progressively reduced the issuance of import permits to the two american assembly plants. By 1939 General Motors was practically out of production; Ford was operating at a much reduced rate, and was forced to close down at the end of February 1940.

In February or Harch 1942 the Japanese took over the Ford plant at Yokohama to ship all of its equipment to antung, Manchuria, presumably to be used by Nanshu Jidosha n.k.

(Manchurian Automobile Company). The plant itself was occupied by the Mitsubishi Company, and Diesel motors for large-sized boats and submarines were produced in this former Ford plant. Similarly it is rumored that the equipment of the General Motors assembly plant at Osaka was removed and shipped to Toyoda Jidosha.\* It is not certain whether the equipment was shipped to its new plant at Moromo or to its old plant at Lagoya.

# 2. National Folicy Companies.

As a result of the lack of success experienced by various firms in the production of Diesel cars, the authorities decided in January 1941 that one manufacturer should be designated as a "national policy company" for this type of vehicle. This designation means, as a rule, that the companies so chosen are exempt from income, excess profits, and local taxes for a term of years and are the recipients of government subsidies or are permitted to issue bonds up to several times the paid-up capital with principal and interest guarantees. On the other hand, the government supervises organization, output, distribution and prices in varying degrees.

After a series of conferences with producers and the military, it was decided in March 1941 that the Tokyo Jidosha Kogyo M.K. (Tokyo Automobile Industry Company) should be selected as the sole manufacturer of Diesels, and that the trucks to be turned out should consist of 5,000 c.c. and 8,000 c.c.type. After being designated on 9 April, Tokyo Jidosha agreed to change its name to the Diesel Jidosha Kogyo M.M. (Diesel Automobile Industry Company). The Nissan and Toyoda concerns had received similar designations in 1936 under the Automobile Industry Control Law for the manufacture of gesoline-driven automobiles.

1. Another report refers to it as reorganized by Diesel Jidosh \*. Also reported shipped to the Antung plant of Manshu Jidoshe

## C. Administration

# 1. Munitions Pinistry.

Prior to the end of 1943, government supervision of the motor vehicle industry was carried out by the Ministry of Commerce and Industry. However, with the formation of the Ministry of Nunitions (Gunju-sho) in November 1943, which, took over the functions of the aforementioned Ministry of Commerce and +ndustry, among others, it may be assumed that general jurisdiction over the motor vehicle indus ry fell into its sphere. This seems even more likely since control over production of motor vehicles was specifically excluded from the functions of the new Linistry of Transportation and Communications (Unyu-Tsuchin-sho) established at the same time. The Army Ordnance Headquarters end the various army arsunals retained jurisdiction over production of tanks and armored vehicles in their own plants or plants administered directly through them. But general production schedules for the motor vehicle industry emanated from a bureau of the Hunitions Ministry, and were administered by the particular semi-official trade organizations involved.

In line with the complete reorganization of transport which was undertaken by the Japanese administration in the early summer of 1945, control over motor and other "small freight transport" was handed over to the Army Ordnance Headquarters (of the War Ministry) by the ministries of Transport and Munitions. This control extended to the actual production and maintenance of motor vehicles. (See Chart 5.)

# 2. Auto Jontrol Dociety (Jidosha Toscikai): Semi-Official Cartol.

In the case of the motor vehicle industry, the organization which carries out the actails of production, such as allocation of raw materials and orders, is the automobil. Control bociety, established in accordance with the Major Industry Association Ordnance of 1 Deptember, 1941. In line with this ordnance, such matters as the production of automobiles, their distribution, production of accessories, and maintenance were placed under one responsible body. The new organization also succeeded the Nippon Jidosha Seizo Kogyo Kumiai (Japan Automobile wanufacturing association) and prosumably the Zenkoku Jidosha Bubunhin Kogyo Kumiai kengokai (Federation of Automobile Parts and accessories Industry associations in Japan Proper), which formerly together controlled the production and distribution of autos, their parts, and accessories in Japan and the Wouthern areas. Through these channels all designated manufacturers were given justua for the production of each type of part on a quarterly basis.

The nutomobile Control society was divided into six departments. The name of each, in general, indicates the function:

- (a) General affairs.
- (b) Planning.
- (c) Production.
- (d) bistribution.
- (c) Technical.
- (f) Standards and Specifications.

Its official character was supplied by appointment of high ranking military officers and bureaucrats to top executive positions; most of

The Directors, however, were members of the industry. Thus its President was Lt. General SUZUKI, Shigeyasu, former diplomat and General Staff member, and its wanaging Director was SUZUKI Hideo, formerly a Section Chief of the Fuel Bureau of the Ministry of Commerce and Industry and more recently director of the Osaka wine Superintendence Sureau. Among the Directors was OKANO Lizo, a Director of Toyoda Jidosha.

To the Automobile Control Society there was appended a Council. The following is the list of councilors and the companies to which they belong:

> TOYODA Kiichiro, President of Toyota Jidosha MURAKAMI, Masasuni, President of Missan Jidosha HAYASHI, Katsura, of Diesel Jidosha SHIMODA Bungo, Managing Director of Kewasaki Sharyo YAMAMOTO Soji, President of manshu Jidosha & Director of Nissan Jidosha ASAHARA, Genhichi, Managing Director of Nissan Jidosha TIRADA Jinkuchi of Kippon Nainenki (Japanese Internal Jombustion) NONAGASI Tadao of Sharin Logyo (Wheel Industry) MACHINO Ryozo of Tire Rogyo Kumisi(Tire industry Association)

Three professors of Tokyo Imperial University -- TANAKA Yoshio, TAKAMUAU Jingo, and MICHILITA Tokohichi -- were also included among the council lors. The inspectors for the Automobile Control Society also come from major firms. They were AMAI Hisayoshi of Toyoda Jidosha and YaMADA Kinichi of Nissan Jidosha.

The society was organized to do the following things: increase production; mobilize materials; examine reports of manufacture and production and the relation of raw material su lies to production

Luotas of individual members; make appropriate manpower allocation and dispose of requests for increased capitalization. It also established a Greater . est Asia Prosperity Sphere Automobile Anterprise. With Japan, Menchuria, China, and the Southern Areas, as a nucleus, a fundamental plan for production of rew meteriels and distribution in various localities was set up. The enterprise studied production plans for each branch of the industry. It established the amount of material and recilities necessary for increased production; and conducted research into the management, scale, and operational methods of the automobile industry.

The Manchukuo Government rollowed the principle of one company for each industry and established special or semispecial conterns for the development of the industries and resources of each region. With the successive discoveries of various important industrial resources in recent times, the Government, realizing the need for integrating the various so-celled 'control Compenies', and of affecting coordinated development of such resources, had the Nippon Sangyo K.K. (Lippon Industrial Company -- Nissan), a successful Japanese combine, transferred to kanchuris on 27 December 1937, and reincorporated it into the menchurian Industrial Development corporation, a Manchukuo speci 1 juridical person, capitalized at 450,000,000 yuan (1940), of which one-half was subscribed by the Government. The aggregate authorized capital of the Mangyo's affiliated concerns at the end of January 1940 was 885,000,000 yuan of which 731,850,000 yuan was paid up.

This new company with its head office in Hainking, was governed by the Law for the supervision of the Manchurian Industrial Daveloyment corporation (20 December 1937, by Imperial Ordnence ..o. 460/. Among other regulations, the law provided that the Government quarantee the company certain returns equivalent to 6 percent dividend on all investments made in the Manchurien entarprise for a period of ten years after its establishment. As an executive organ of the Government in heavy industrial fields, the hangyo, as this company was popularly called, managed and directed the iron and steel industry, light motals manufacturing,

automobile menufacturing, sircraft menufacturing, and coal mining, and parh ps also invested in told, zinc, laid, copper, and other mining industries, as well as in other enterprises at home and abroad, on parmission of the Ministers concerned. Thus in line with the execution of the Manchurian Five Year Industrial Plans, the manage had the important mission of developing the vest Menchurian netural resources.

In Manchuris, Mangyo's holdings include the conshu Jidosha I.a. and the Down Jidosha Aogyo K.A., which secounted for practically all motor vehicle production and repair carried on on the continent. Those companies which were fused on 24 June 1942, ere known (to) have been the officially sponsored monopoly of the automobile industry in Manchukuo.

On the mainland of Japan itself, hangyo's interests include Nissan Jicosha R.R., which has been credited with as high as 40 percent of the motor truck production of Japanesscontrolled territory, and the Diesel Jidosha Aogyo K.K., which was dusignated as the sole producer of motor vehicles powered by piesel type units, and is credited with about 10 percent of total capacity in Japanese controlled territory. In addition Diesel is also credited with significant tank and tractor manufacturing capacity. Littchi Scisakusho, which is listed as having some tank capacity, also falls into the Mangyo sphere!

<sup>1.</sup> When the report that witsui has taken over the domestic properties of mangyo is confirmed, the interests described above under mengyo will be assigned to Litsui (See Chapter II, p. 59.1

Dur. Loc. 863 III - 209 - KLSTRICTLD

Mangyo dominates these lines by direct ownership of the controlling portion of their stock. Thus in 1941 the Japan Nanchukuo Year Book listed them all as direct subsidiari s of the Mangyo, which had stock holdings ranging from 100 percent in the case of Manshu to 20 percent in the case of Mitschi. Its share of Down was placed at 57 percent and of Missan at 29 percent.

\* \* \* \* \* .

Hangyo's control of the motor vehicle industry was further facilitated, by the circumstances that members of her subsidiary companies formed a substantial majority on the council of the all-inclusive automobile Control Society, and together held by far the largest block of shares in the automobile Distribution Company, which controlled marketing outlets in this field.

\* \* \* \* \* ...

#### Appendix IIIc

#### Automobile Industry Control Law

(Law no 33, sanctioned 28 May 1936, and appearing in the Official Gazette, 29 May 1936)

Article 1. The object of this law is to strengthen national defense and promote industrial progress by establishing the automobile manufacturing industry in Japan.

Article 2. Automobile monufeaturing industry as the term is used in this law, make industries designated by ordinance, which engage in the as amoly no or manufacture of automobil's or automobile parts.

Article 3. Forecas who wish to inche in the manufacture of automobiles shall obtain a licens. from the Government, unless the volume of automobiles or automobile parts to be manufactured or assembled is less than a right to be fixed by ordinance.
The Government shall take into consideration the condition

of supply and demand for automobiles and automobile ports and unless it soms that no obstacle to the establishment of the automobile manufacturing industry will result, the Government shall not grant the lie nee a ntioned in the preceding paragraph.

Article 4. Persons qualified to receive licenses mentioned in the preceding article, thall be only joint atock companies organized under Janunes, law of which more than on -helf of the shareholders, more than one-half of the directors, more than one-half the capital, and more than on -h lf of the voting rights are held by Japanese subjects or juridical persons organized under Japan s. law.

The juridical persons mentioned in the preciding paragraph must be juridical persons of which more than one-half of the m mbors, shor hold is, or officers in oner, or conducting business and more than one-half of the amount of capital or more than one-half of the voting rights are not or do not belong to foreign as or for ign juritical persons.

If a person who has obtained the license mentioned in the proceding article has consed to possess the qualifications specified in the proceding two paragraphs, the license granted shall be invalidated.

Article 5. An automobile manufacturing company which has obtained a license, mentioned in article 3, shell commence operations within a period prescribed by the Government.

The Government may grant an extension of the period mentioned in the preceding paragraph only in case it recognizes that there is good reason for so doing.

then an automobil manufacturing company fails to commeoperations within the period mentioned in the two preceding percer phs, the license prescribed in Article 3 shell be invelidetud.

Articl. 6. Subject to the provisions of ordinance an automobil. manufecturing company shall be exempted from payment or income and business profit taxes on its business operations during the year that the license mentioned in Article ) is obtained and for a period of five years beginning the year following the year in which that license was obtained.

article 7. Hokksido, prefectures, cities, towns, villages, and similar public bodies shall not levy taxes upon the business or on a basis of the capital, employees, menufactured articles, or supplies consumed, motive power used, or income accruing through the operations of an automobile menufacture ing company exempted from income tax and business profit that, under the provisions of the preceding article.

Article 8. When an automobile manufacturing company imports, with the permission of the Covernment, tools, mechin ry, or materials necessary to its business, it shall be exempt from the payment of import duties, subject to the provisions of ordinance, for a period of five years from the date of the enforcement of this law. enforcement of this law.

Article 9. an automobile manufacturing company, when expending its business may, with the permission of the Government, increase its capital to defray the cost of equipment even though the value of previously issued shares is not fully paid up.

Article 10. An automobile manufacturing company may, with the permission of the Government, issue depentures to an amount beyond the limits prescribed by article 200 of the Commercial code in order to defray the cost of installing equipment noc-essary to the conduct of its business. The total amount of such debentures may not be prector, however, then twice the

amount of the company's paid up capital.

If the value of the company's assets, as shown in the last belance sheet, is not as large at its paid up capital, the provisions of the proceeding paragraph shall not apply.

Property pertaining to the enterprise of the company must be mortgaged, in accordance with the provisions of the Factory Mortgage Law as accurity for debentures issued in accordance with Mortgage Law as security for debentures issued in accordance with the provisions of Paragraph 1 of this article, unless the Government doems that special circumstances obviate the necessity for such mortgars.

article 11. If it is for d that the importation of automobiles or automobile parts will interfer, with the establishment of the automobile manuracturing industry, the Government may issue orders restricting, for a fixed period, the importation of automobiles or automobil parts.

article 12. It it is fored that the price of eutomobiles will be lowered and the stablishment of the automobile manufacturing industry interfered with, due to the importation of automobiles of automobile perts, the Government, efter submitting the matter to the consideration of the Territf Investigation Committee, may issue olders providing for the levying of import duties for a file of the consideration of the levying of import duties, for a fined priod, on such automobiles or ratemobile parts of up to fifty percent of the value of those imports, in addition to the import cuty thereon specified in the
teriff table annexed to the Import Teriff Low.

Article 13. An automobile manufacturing company shall plen its business program to comply with orders -- and shall obtain the sanction of the Government for its business program or the alteration of that program.

The Government may order an automobile manufacturing company to alter its business program if it is deemed necessary.

Article 14. When an automobile menufacturing company wishes to transfer, discontinue, or suspend all or part of its enterprise, it must obtain the permission of the Government, in accordance with the provisions of ordinance.

A resolution to amalgemente or liquidate an automobile manufacturing company is not valid unless the company obtains the permission of the Gov rement in accordance with the provisions of ordinance.

Article 15. The Government may re uire an automobile manufacturing company to submit a report on its business and finencial condition.

The Government may issue necessary supervisory orders to eutomobile menufacturing compenies or take measures in regard

to their business affairs or accounts.

In cas, it is deemed necessary for purposes of supervision, the Government may order the appropriate officials to inspect the offices or place of business, fectories, warehouses, or other sites owned by an automobile manufacturing company and to conduct examinations of its business of financial condition, its books and papers, and other matters. Such officials shall be required to court a cratilizate indicating their ordicials be required to carry a certificate indicating their official status.

Article 16. When it is doesn'd necessary for ressons of public interest, the Government may order an natomobile manuficturing company to alter the sale price and the terms of sale of automobiles or automobile parts, or may issue orders on necesstry metters with a view to

RESTRICTED III - 229 -

Duf. Doc. 863

adjusting the demend and supply of utomobiles and automobile

When it is deemed necessary for reasons of public interest, the Government may order an automobile manufacturing company to expand or improve its equipment.

Article 17. When it is deemed necessary for military recsons, the Government may order automobile manufacturing companies to manufacture automobiles or automobile parts for military use, to conduct researches on special matters related to automobiles or to install special equipment, and it may issue orders in regard to other necessary matters connected with military affairs.

Article 18. In granting licenses under article 3, in Tixing limitations under Article 2, or in issuing orders under Article 16, the Government shall submit the matter in advance to the consideration of the automobile Manufacturing Industry Committee.

Regulations relating to the Automobile Manufacturing Industry Committee shall be determined by Imperial Ordinance.

Article 19. If an automobile manufacturing company infringes the provisions of this law or orders issued under the authorization of this law, or violetes the measures adopted in conformity with such orders, or commits acts projudicial to the public interest, the Government may suspend or restrict its business or cancel the license issued under Article 3 or dismiss its directors or suditors, who perform the functions of directors.

Article 20. Persons coming within the purview of any one of the following categories shall be assessed a fine of not to exceed five thousand yen:

 A person who, in violation of the provisions of Article 3, has engaged in the manufactur, of automobiles without obtaining a license.

2. A person who imported automobiles or automobile parts in

violation of the restrictive provisions of article 11.

3. A person engled in the manufacture of automobiles who has exceeded the limits (on production) prescribed in Paragraph 4 of the Supplementary Rules.

Article 21. If an automobile manufacturing company has violated the orders issued in accordance with Article 16 or Article 17, the directors or suditors, who perform the functions of directors, shall be assessed a fine of not to exceed three thousand you coch.

III - 230 -

- 1. When a company, in violation of the provisions of Peragraph 1 of article 13, has carried out its business program without obtaining the permission of the Government.
- 2. When a company, in violation of the provisions of Paragraph 2 of Article 13, has carried out its business program without alteration.

When a company, in violation of the provisions of Peragraph 1 of Article 14, has acted without the permission of the Government in matters requiring such permission.

then a company has acted in violation of the orders issued and measures adopted in accordance with Perigraph 2 of Article 15.

article 23. Persons coming within the purview of any one of the following categories shall be assessed a fine of not to exceed five hundred you:
1. A person who has failed to file the report provided for

in Paragraph 1 of Article 15 or has made a false report.
A person who has refused, obstructed, or evaded the inspection or examination by the orficials concerned as provided for in Peragraph 3 of Article 15, or has filled to enswer the questions of such officials or has made fulse answers.

Article 24. Automobile menufacturing companies or persons ongeged in other businesses related to automobiles may not cvade responsibility for any act of their representatives, head, or other members of their family, employees, or other persons connected with their business enterprise, which ect is in violation of orders issued in accordance with the provision; of this law, on the ground that such actions were not made under their direction.

Article 25. The penul provisions to be applied in second nec with the provisions of this law or of orders issued in conformity with the provisions of this law shall apply, in case the party to receive the penalty is a juridical person, to directors, managing directors, or other officials in charge of conducting the business of such juridical person; and in case the party to receive such penalty is a minor or a person adjudged incompetent, to his legal representative, unless the minor concerned possenses the same capacity as an adult for the purposes of conduction of a business enterprise.

#### Additional Rules

The dete of enforcement of this law shall be determined by Imporial Ordinance.

Persons who are already engaged in the manufacture of automobiles or have succeeded to such enterprise at the time that this law takes effect, may continue in business, regardless of the provisions of Article 3, for a period of three months from the day when this law takes effect.

If a person, mentioned in the preceding paragraph, has applied for a license under article 3, within the period mentioned in the preceding peragraph, the provisions of that paragraph shall continue to apply until his application is either accepted or rejected.

Persons who began manufacturing automobiles prior to 9 August 1935, or parties who succeeded to such enterprise and who are conducting such businesses at the time when this law takes offect, may continue to conduct such businesses even after the lapse of the period prescribed in the preceding two paragraphs, regardless of the provisions of Article 3, subject to the provisions of ordinance, within the scale or business conducted by them are visions to 2 and 1005 by them previous to 9 Au ust 1955.

The provisions of Paragraph 1 and 3 of articl, 15 and of Articles 23 to 25 inclusive, shall apply also to parties engaged in the manufacture of automobiles by authorization granted in the preceding p ragraph.

If pursons who have applied for licenses under article 3 within a period of one month from the date of the enforcement of this law, import, with the permission of the Government, tools, machinery, or materials necessary in the manufacture of automobiles, they shall be exempted, in accordance with the provision of ordinance, from import duties on such imports for a period of three months from the date of the enforcement of this lew.

In case persons who have been exempted from import duties, in accordance with the provisions of the preceding paragraph, fail to obtain a license under Article3, the unpeid duties shall be collected from them.

In cases of exemption from import duties in accordance with the provisions of Paragraph 6, the Government may require the deposit of security, at the time of importation, to a value corresponding to the amount of unpuid import duty.

日本歌時生意一開之子 日本歌時生意工業 日本歌時生意工業 及又下第二五五八三 中間調查及与情報部所成及口合林課

日本人目萬車及口縣幸坐產三開之子討議 中に協同組織ラルコト、姓來人政府總制了維 持てかりトラー層強調セラル。 本生産三関スル能力及技術的方面一付ラモ 北京 排色 十二。

12四五年十月三十一日

屬湯

上分部門が使用自動車」總数八十三万四千 於子國內一金屬及口機城工業人內最至五種 タンテァル、自動学工具は大いラク、一九三大年三 ティトラウンが意思なナル地位のちないなかしより 把料及口修理部写了不足が産業輸送二就

りら要求い取れこ足でえてデアワク。 征服ニョル取得物に多大デアリ、又國内ノトラ ーデアル、歌闘、がいは産事、複失に僅歩ことテ 同工業、明カニ凡工心野時に須要求了果工得う ヨり南谷、優先生産ニ若シノ韓様サンタニモ物ラス、 歌車が生産セランタモト見震ランク。ソン施設が テレルが(1元四五年一月一日)一九四日年三八田百台以下し 工業八野東、年納三午日、能力かアックモノト見様 産高い、トラック一万五十分ト見様うレテキタ、自畜車 例いるり大型・車輌七万台程度テアウタ、同年生の自動車年産能力八一九四年に然了一個半又 ノミ生産スルトスとは、最近、情報、体と、い日本ノ 年七万乃至九万台ト見蔵ラレラ本タ、「トラック 極度一般かテアル、ソノ總能力い各種型車輌 上存在シナカワタモノデ、西洋水準ト以数シテキッ 日本人自動車工業八二九三六年以前八章庫員 1.一一一般有量

> 人 生產=物質的差,技術的樣相 三日富軍正日軍軍工業

Dec 86

九十四台三通ヤナカリタ、このひたう、同工業に一九二 九年以亲著己人连朱月遂六三年夕。

國內人製產八少量デアロタ許りデナク又品質力 少之東周車ノラウナ小型季同車アアリク、日馬車の 名等テアリス。國内製産、約三分ノニハ「グットサ

一時見表一関之下八附属之至二二一日参照了二人)。

歌事生産へ極り力量デアック為「トラック」が 今品及組之設備、影響スルトコロカカック。

一九四四年二八日本ハイテック及歌車一地三萬 号自動自轉車、八百谷人附属車及二百谷ノトラ クター」り製を造しない衛はサイナキル、

第四及五茶八谷了下了少人及自動車一製造 一發展狀况了要納己于本儿"第四卷八又"上了 ラと全職、供態、示人上同時、最近、於ケル 生産資料了示サントスルモノデアル第五表八沿 了 草子不久二週ヤナーーかアル。一九四四年一車輸家産 加水準三達てとタメ日本、約十五万一塔衛力、其方面 三向ケテキタノデアル、(尺及人ニンセ)日本人口、産業配置 表思

一九三三三三六 大、大 1九三日 二七十六 百 州自 1515 गाग्छ 11, 111.61 10,11 (一日一日起在) 内養得 新生產 新入 与领地域 消熱 4 至鎮 (部一項一十七の) 日本軍占領地城兵於北貨約自南軍松足 班 日 教 -11/1-11

ラナイト主張して 車業造業者」支配う脱しき自立とナケレバナ 十支持者デアリク。日本八凡テノ外國ノ貨物自動 業保強三関シテ八成府一方針、最云南力十熟心 ベランス、日本陸軍へ純然タル日本自動車工 様大スル電子等力、為缺りへカラサルは需品し者 Loc & o デアック、國家的禁りモなるレテを夕、自動車に 後う要求スルト云フ目が成前、意見二差うモノ 基うモンテナノ、國防、理由八馬見用三横八次新ルチノ 日本一國庭自動車工業確至八接近八經済三

三軍,部二數又此重要性

門事人美剛

0

KI 100 K.K 川崎、岐 12111 长月 10 4 1011 111,5 1:1 111.3 1.x 11111 长." 1K.W 14,0 11111 14.5 (0 /N.7 W.O 14,0 10,5 H.O 14.8 ,\ B. 0 10 M 110.0 九大・九 1元目0 \*-- 111.4 141 14.0 111.11 15日1 15B11 11111, 110,0 x--40.11 114.0 ニハル 10 一九田三 一大七三 110,0 145.8 14,0 1200 米山田也以下

No. 5

一九三天(秦年) 九大三三三日。花也也 424 ON WAMM MOY 1 114.0111 11. 40 1 11 11. 3H 一点用意 リち、ううち 1月一川大川 大>の、国/ 一句三八百四 111 km > 111 1 一名三日 田三田 110100 一九三の四五八一也、火之八 del Doc 部分品目出土土土 年 國內生產 新門八衛入 00 一九二九一一一九三大 w 日本自動車工業人發達 如子 pr 子松

少難、政府補助金 衛入前一門上及以外國自治等 (n) 都然養養者一對人之於學對成一部人一後少一個 完成自,智里士華本語在中人一个自在中一一也因 二年頃後一年後於大衛台一東用及也完新 (動出在一場、関心、将アナカンを食物目の事物、単的、東用車、同間心、将カナカソの大門の、持カナカソの大月衛の月前の一清賞香料ナアンの外の日前の、年経、関リー、供給、関ルコーで原と日本をは、日朝軍生産、日禄、別村いり、日本、次の 衛出在一般、一般の本本とから一個人を発言 動事一型、強人化々の類し、、關心、持り、 カンターナヤラのまない、日本とは、一本のは一次に 為然之一等者的分子,題其公之此一問題 the way a sound of 1. 政体管的例及分配额 日本子製造了心日朝東八成府一樣的十月 子子、我上見、子子がですりり、事一部下川流 添ナフラーンとしく気を一緒思金をある。 基礎と立り下生をはかし成谷か生をからり 大部分为四月上午成熟八层等着在一种 即金ヶ下年ンド、シャを見上がかかか。例べい 縣等直前於民政府八一五十十十十十十 心型、大輪等用目熱質事一台一就多三百万數等直前一次不用日熱管事一台一就多三百

上了不敢前一日本一小市場向了一樣達型

慈宗是一人伤力了。我说了一解属一一五 シタ、終テ、日本歩兵師園二對大地衛飲表 想在心験車手機及し、テアル事子指点 英國一樣的問題一有又比三分一一千樓方三 園一有天心路。五分一一縣一般後見日 心日本軍無可能團八合果國然本門 比較編成素意光量具八一九四三年度三於了 自新華二城在八川事中則合二十個十十十分 要到後一何一一國一軍一家三人是一家自一不 機少于日本學族八今東國成七八數川生 三日衛生一華人一般 學四二 僧人がルー同いででいる。一一一一大夫し カケランター四十九パーセントニ童マトトルが 唐八衛八月前八日前五日及部分品放子。 アックなり、明成テクル、まり、富良一九三年 メリカー生産生者しり日出職事が不可能が カラシテスは在火ー相思で無視としつメック かり事です。此、後、在傷人、秋後心、結果 一人位、財富良二八三十五百百一根水下了月上 日本側、偉くしがったいトラグトラング 春度で一般三般を見すしなりですから 下伏うしりにヨかしろい、四十五百層で 三種一下八一戶都在日衛一衛一衛日衛日衛在北 W 自動車一台を作い、だい十個日事かり。

川大ちくつが、1、1111四、四種サーナルシン るる大十台、自動車してもし、成が三十台の大、日本、李文一個節團(一万人)(管 のない日本、日前学校と意意、実施、 のする。 第大表八日本第一等種一里一見精係 南町はボツァチラ 多年 外我 福略日本軍業備網勢 橋灰器即風 有歲少數一 整型 gending = 2002 新后西學 點四分為水無 質用のの 11. X 14 0 中衛地一川中のの 11/11/0 #1850-100 ookios kal or 自一年初日本人0.000

目本一不利益于原價一立場之一場合力以場合力人人致介力之內國市場

"海的要因"四分。

此人依存八致部分下八次、如子教養一般人魔美教了之子尾心。續道及心佛衛衛送八尾子下十分、廣道二百八極展二週朝用十七千尾心自動車八東太初的二利用サンテを心。更立事一度以製工人展別国二利用サンテをし、見上、成地不下八人力軍及官人教道、御徹後以口水、更漸送機關一位は今日本八衛送一對シテハ元本東、優美なアルを自動車「持シテハ元本東、優美なアル

新展園書館等八大三號直一一大大

11.11

863 Def Doc 消 生産量が制水造 少見里シカ青しナカツタ PEGA! 厦 自動車 品は見か強 損失力 原價高一主要力 自動車 自 自 動車工場/ 國 台口 夏季乃不 造家二、 二付并蒙 報遊 lish Bakes デ販賣 此等 同樣

《五具能力自動章部門於記基本的制及佐工程以放何方面

一百つの本部一代で、新部川門による手法子許けりの上面用けのおいている、明色日本政府三取り下重要

前八年國人居人四部一次の名ます新聞三大十七日不持許法、其之的許太殿公告十七日本語、清政者選及各年、日本語、清護之者選及及京大國上中九日被職前司得当了上見了明八何的已許確侵害內保之、過去於天日本、自動車 明東医安東

新聞は以答為派に同じるが、これとの本との動を上別立ての世界

ら、日本、米國放所後用理会的補助金南題八米國自己他下二得万十八月後、「問題」と「問題」と

人 新入すい材料及に何の要似に一新入する 居る工作機械、力力の前に対し、 まて 南小道三於上日本の見からし、居に進一要素をし、死に凡をなる方の、 あり 有利 ほと上作機 深まと同。 ガカ 東貝用 自動

の人所能之保下とう。 の可以近、印刷用前問該衛の中籍禁 籍處工具の別都蘇斯等後到為蘇軍等を了了了了,少又日本,四年門題機,田和都然盟这戶ろ,一一一限人,以及,原見其可可見為是是其可不被被其具在之三一 の 然兄自然自是,許可了一一至為我在上具能力三三十分,我在一問戰的下子不会美國了一次,你所有我有是自己可以可以可以可以可以可以可以可以不得不得不得不得不多。 多一种,中我們生養工程了他因本為以為一個

で料二部又、全部外國自難入り何が不べてうてのでの以供、他の裏近、テ日本意をと自動車工業、大社、る具要原料

大節分成成成成成成成成之所了所有人其類日本、英國日東四月大部分日本後以外衛人即向日後後官即知十三年二八日春院了直接之衛後、信子し、は統大部分加了馬を上して上、大人三里」とは、京村の一人は統大部分加入二里」とは、京村の一人は新聞、しい二三し、上福及と書、京の一人と一大、上福及と書、清練館、しい二三し、上福及と書、清練館、しい二三し、上福及と書、清練館、しい二三し、上福及と書、清練館、しい二三し、上福及と書、清練館、しい二三し、上福及と書、清練等

104. Don 863

中 在 年 月 葉

合茶图內部於一十十五月人以外公及不可令之亦至十二年人以外放之依在了十十二 第四月次十十即今日亦至十二年 一年衛門十二年 一至九割了除

鉄節上限炭田石炭一、依存等斗只與竹牛同門供納等索以外一人全部大陸干產之

了色) 月月月天了人。隔外一年十八十十八十八八百里了了一天一百万里,你看到五年一個事人是一大四年以來了一大四年以來一大四年以來一大四年以來一大四年以來一大四年以來一大四年以來一大四年以來一十四年一一十四年一一十四年一一十四年一一十四年一一十四年一一十四年度,日本十十八十八日十四年一一十四年度,日本十二月十四十四年度,日本十二月十四日一十四日一十四日一十四日一十四日一十四日一十月一十四日一十四日一十四日一十四日一十月日,秦朝二年一十二日下回一十四日一十四日一十日十月,秦朝二年一十二日下回一十四日一十四年,秦朝二年,一九二年一月四十四日一十四日一十日日一十日日一十日十十日,秦朝二年,

干下月(東京府共戶衙八插及廣門一幹出)少一地方集中 微調產業八二二一重要地域一卷了人集入 選過一切一一時日

51.010

Defence Doc 863

後人範囲、成功下いての付け、吐一子面一於下緒未発製品日進に三尺小かけが吐了塔一後にモーデュ、此一日のこと、然の使り二五百七、鉄動式、約十万魄、伸供数少人規模回内製造者。後、下若干、鉄小砂鉄内三進引、東等高源、電的二重要テアに十方(ラレテ井十八多四十分析一後に鉄、製産三門随及に困難し、云り見地二選擇的国内三程 砂鉄、需要下に三項う又製鋼三通(関展大書二一口表照)

上三八十至上,伸供製品製造能力可引受了千井比八三〇五八十至上,製銀能力三八二八一至上,製鋼能力為衛兒全十大五場上外入八五場上下心三最大五場可引受了三十七本製飲業人特徵入又此紀八二三十該學網能力交 九八八十至上,伸發製品製造就力工場上域,八二八一至上,伸發製品製造能力

ですいか。今有量平均三五月至四五一十七十一位級都在下下出了以及極東、於下得了と心最下近距離一節在:主下三年教及、五十二十一月日送已衛在三季三部八十年十十十十十八日本一部一十月八月十十月十月一日本一級網工業、最初月月日本一十十一月日後衛在賣源一直上了前日本一次有一日本一次衛門一貫四本

同期個人及炭粉菜、大傷也十九十二万八十門受下九即金、三倭五十三百三十七万五十円三達之分。注一一九三七万至一七四三年,日本一分下口網鉄工業補

80.10

既二化入手(大工大手)日本二元十八日動車製造、省物及の優兄孫門銀一記録、外上六、

-- p>1- m

至相模二個人奏 《奏過一人奏

PURL: http://www.legal-tools.org/doc/36c867/

自納車一生臣為官事部了補門令了文統等之之即此大 所言一九三年二日本一下已日南東上幸一龍三月所見 こか不らりからか 記りころ一切この事に、自動は上上手に 元國末掛立不仍了計議:· 医, 医等海軍, 衛軍, 衛, 随, 門務,同工外榜大震任存立者人門間首衛衛,因 多城一各有連合会議的該十四年此一各者通官会議:工 李陽教一對了臣一樣不可幸自得了之人也三五等人自己 目落数子目自動車工業院蒙海車戶作成子中間层 (#1) 3mm年四月二十八日·問底了了不承認十十八七月 係、中国三十年初冬とし、下部大は生、福大内上了在国 京蔵入り張信り到る到り妻一樣。後ろとろ又此りは得 (日本一成一度)衛行一股百日與日人成百日與一日、一度,對一成 所知思者るべき認可こうでは、美力科等人子持権 子型(こうか)中日不自動車立本、天衛的独石(大は体 横しるていまっている。(をえる立て付録三ーと発題之に) 九三二季者子九日附官觀是茂表十多八通了了一比一层安本 一年實的錯微(日本今便) 与一批,因一十一。

## E. 四數每一十二點多成

TUN-DE

一日歌中製化工士不日本一確立下了不足了了。

①的赤京

日歌車中組立是常及公政府各一設計等分自動車部一次在一定後後之政府不會官任官衙門該計

PURL: http://www.legal-tools.org/doc/36c867/

院 辛於三日於三日本明月日本 原衛·原一網衛

正地地

~ 電子百万円の一個一個一個一個一個人是

12 CA.

日傳養人工工官人所作配子日初原教人臣公北一便自江田 はいからは、こので、あいでは、何ないはないでんとした。

官以園四株門

日本在江西部中就在后下一次一个各十二八日南十七、至三八年 題及八十年一届此間題一日人上原以以做十十年初十年一年

激的情况一年时十一一

四次門門門中京東十月城十十十年十八年十八十八十八十八十八十八十十十月五

2月1日か

田百町里及二年金田村人民衛史門

輸入同於東及一衛人面前至却不至一便格以我不同一於下少同 動車都等一等本一或本一個常了也打部中衛果子生也少大學低低 廣下午上門衛工出時八政府八成上自動車及出其,部分品

-新入りおなし、又なるけるは関係問題を高くのけいい

下面都如此如何日本明明中日

· ひ新色はなる日本を大きのとなるのは、新西はなんは人の米、河が一丁から 不大流にこうとを見とそはなる日間を組織すかからしての

30 24

Def

のは一九三五年八月百以前一事業、記用の一限らいべい、前也一部可三保有也なら下該書務、維続、計をとしべい、書書前始也を及ら不成施行、時一尚同書、任事也者、不法、規定からしかろ一九三五年八月かり以前三回動車製食送の保護、

Be 863

部分於一人三八年十年考後觀

本2月,最多一個工場、各日等一個一旦之日日日都選升許可及之貨物自動車一大量等養工傷与于政府過以下大學等養工傷之子政府過以不下人與及日日即車條或今北京了以內同省、所謂一般型自動車 養果一日產日就車 株成今北京了以內同省、所謂一般型自動車 成所一計不一的人口及同省了一件十四十五十一個許了意以

日孫見・計画り維持なる、人の産及家の大民人民民人民人民人民人民人民人民人民政党、同一本民物と同一本民物大人人民人民政会会的成人十分、下述、大之主主大人後、朱同事、言意文十分了一十一年月年及公公司都事何以了之以与不可以及了其三年一日平均生在了高了了是後十月日、日本村生在了一門,到京这个副堂子以及同时、「十十一」

ひっすして、非常一成少とり、京子で歩まりかいき居りでいてきたより、これを見して、大きり、日本をはより、大は立工場、計学輸入計了一巻の、また、は見りました、は見して足、結果とう日本をあい、からなりの、引用の 強力した はまり はれい は、引きをします。

1 Des

本の様のから、はれる指皮を受ける後人を行上変交のこれで、一般の一生不種型上決、皮を見る、はれる指皮を受けるというとし、ないとし、ないとなる程のとかのとれているというない、ならり、大きは素者一生産業者上軍一数次二色は協議、結果一人四年三月りもし、在心、ない、などか大きは美者一人のシナを、まり、よる、より、こと協議、結果一人四一年三月

七子比言意味以附于布之資本教信主以私復食行手可之則食疾以附并布之資本教信主以社復愈分多計可見除七子上及政府補助在一家納者力与上仍色以力与選定之之上還以教多同所得起遇到得述一些不禁一期放益業者が指定之以不等了決至了了一十九三次一般一本人是養人之也一年一即不可可未為國家各分十二十二十十四一年一日不可可未為國家各分十二十二十十四十十五十十十十一日以機同東新衣作、清二場が後後ととうと不成的一一回上來食社

强家人

真を申、竹上塔、成い又名正念、田工場、積分でうかい自動車をを社、横め十ちょう、東京の人をそれ、そりより大投組正工場が取り付け、東京衛祖用りからとと交易機が、東日本、知、三差交合、江三月は存すと、大理能加送、潜水子東、其、東、海州自動車、株式会社で、資格を養した、大理に動き、海州自動車、株式会社できる、海内を上げ、大理に動き、海州自動車、株式会社できる、東京、大型にある、高州自動車、株式会社できる、東京、大型にある、高州同した明白、「一九四三年、一三月度、日本、一十二種で入場、高州同した田のまし、月末、川健、上の十五三五つる。

5

0

W

大きれて成られ、日本を及り出ておい、金はとりコーン一連禁日前十 出大花の同い日初中にまたなりかは、ララー一人三天等同様·10日文 1-15/2/ 1-A

一首一はキーンファレルのも動車にし一年盛かかフメナーからによう 《京庙川日朝東年度大阪へ同下指着をランソトを奉へアンル

1 加井 帰己 城

一九四三年一路一次有一百到本工者不一年以成年七日理八百十年二 はいかいいきまた。送し上記前は一機花りやしまる成りて 一九四三年十一月三年在中日中成立十十月月十二日十十年一月 スル一般は後のハラーかられ、ないてはまってはないととしてあいしょ 同時前是大了於軍衛馬官有機能与自動軍室產 なべるなるなななは、徐子ナンドキラード、いしい、一届ロントはべて様としい 茶軍夫落不部及い種と落里大於風、自上馬人、直接、百 理とし、海がというとう及び社会中車」生産さけるは確認う 保留之本心、发与自到本工業一般生產計具、軍衛者一 一年といれナフトでとかなりがは、半さらいのないいい

1) 四年十つルサラ 一七四年百八初期一日本的成ニュリテリいとり連輸し 金年福成一樣(少少天自動車及)也,引有物運送三江之 完朝八運輸省及軍衛者引發軍并各本部(衛星省一) 又如一月浴とり、り然別、白角草しの寒上生産及と維持 il Villay is

選及は一般はは我の過程を同様では、我外後の野山できる屋が、在京子が後天皇原子、徳の長八子高大を機材の課及をした、我子の長下は、我子を見なは本部員とは、「おいに様へ、馬級軍人会」に係了首出部二住今一村 教徒及明細 は後人明細 と後人母 に

の傷務をこれが、

三自動車線制官事官企業願食

有動軍機制食、六部二分口等屋里、大体各人各样、

PURL: http://www.legal-tools.org/doc/36c867/

0

100g 1000 863

年 用 是 日本有政院 日本有政院 日本日東 日本日東 日本日東京 日本日東南北里将照次 日本田東南北京長日京 山山東朝南北京新京院以 其上上前 日至日割車會社会長

等人等分 人方土菜但今野長親皮男 軍衛上京 日本内城縣

查自動車會社、七八十十十八十八八八八八八八八八十日大會社·者了丁八四十里田自即軍會社·亦并久其十日便七一千評議員仍一一居了此自到軍院問會 亞裕者三本東京帝國大庫三数核一田中子雄 了十二月

此一會(大一事項すてり巻)組織サリノモナナール、

生產精光演林動員製造生產並且在產一對日日原

許快徐,開心報告,於計

一對人口學去了處理人以又大原軍夫禁衛自動車企同人的資本一通當一則當一則當一門有一十一一個一

本本のはなる人

生產及已各地域一於了心供给一對又也養機的計畫可用本滿河中國及已南洋地域可以了一个村子心資村

S. For

Dy 1000 6

PURL: http://www.legal-tools.org/doc/36c867/

## 掛陵國首領第一三號

リーイット 一体が終日

清州國大部二直第一會社一戶川一假日各地長十七重等一致 展立首項門與一對一件洪右八生特係會社一致五人人 最近合種重學在其首等一十級見十一月一大飲料八 各種所謂被制會社,徒合文之等資源整合的開發 2 會社(日本産業會社、一日産)三九三七年十一月二十七日、いりは男う前感、日本侵方、明合組合、日本産業株式 清州問一移取了京本金甲上之院園(五四日)一清川一样珠 法人人通訊產業開發會社二十年該走。其首本金 半額、政府出資~~~

一九四日年月末日长十日清華一合併、會社公海官本院額 八十八唐五千万圆千十一千七三唐二千八百五十万圆万梯以 茶にようか

本在一新京時一新會社清州產業開發會社管理 法(一九三七年十十月二十日割今第四六日號)一依り然見十七久 他一諸規定中此一法律八會社該立侯十年問清刑一於下 此企業,按資對三十六八一三十一配當相當人一定、逐選 与政府が保護之事,可規炭,,重上素部門、於了是成府 一執行機関十三二般,持人清末不對一葉,網徵幸一野 金屬製造自動車製造便行機製造及石炭採備一等 理指揮之多了之子照了了八主務大臣一件可可得可因内及時 计一次了一位一全案上同樣一定里能能倒及他一備業一天

(- -- Jan 15 - - - - )

の 動車工業株式會社合会の 副禁造及ど修理う引奏で名補自動車株式會社及同和自知 清刑本天清業 将株大陸下行においいる部 自動車 校大堂村行とおい 全部 自動車 校を生天不天然直得 阿然正重要上便会 再門手手

初大部介了外有一年是一年了事情"你一篇其日 一种又此致然可说到了您只有劉章既然令在一样 一种又此致然可说到了您只有劉章既然令在一样 一样不知其何以为我可见了了是您的事情都且你會接 我是我我有你一在写《全自新事情都且你會接 人,就其我就可能是是我你一百分一日也不然你一下的 的一只是我只是你,那个一百分一个不是一下的

PURL: http://www.legal-tools.org/doc/36c867/

再様、行のりなりの本一前一局相が天を放着していると 又の外のはなくをできるといるとのできなく 半秋江京首本展兴老八成水的属羊教八年國人 前馬長八年一在員程至八章教司新行之心後員 風臣民人:中國法令になり教立となんに属るルスーに際は 後年数以一次員本一年間以上及已清城洪權一過半数百年 三任一歲之三日以村并不不打二三日其一并我以上、取傷 中田樣一样可以完了了一次人的上海一个有人看一个有風水 いてはかしいはいいとうなかった」ことはまり 不動一自都東海東京東京衛立文障十二十九八八個八日前 -"在人共而;自然軍义;自衛車部分為一家思俊治了 かられることのできばしまなることは、大きなこれをしているとには、水・に 三度八川山山山之文、新公道、五月、日都東人、自南東川 南三條 自動車等其事者等有了是我一次所一部可 2、此自動車人:自動車部分品一個五人:電空馬百萬人事去不 少于三條本人にかり動車出大道車去し様といいかなりはこと ゆれい自動車業近草本庭立の同いりより目的した 四十一体本法國所整備及善業人及是干割之為其同 一九三六十十十十八日百百次八十八 (法律并三十三年一九三六年一五月二十八日共前 西衛外衛衛衛衛 四世三季

メルトル、一年一年、ナーななるまでは 另外五條 等等你一行可以完了了你在一句都要就 ○今在八次后后是不問同下二年者三月治一人 改府:王兰一年四十一部公孫令後一前河上坐奉 五行百八十十年度、日初東京の北京前一部一部一日の二十 の一等者有用性とりいいる。衛子許可は大力なり大力 世大麻,四些財教治何年以來令一成了年,每一年以來一 のおかり一方人とりとまえて、日本年日の文本街、富年本の一方 化 等限及 一等 好 金衣 見 多 年 天 本七傑 七夜道一府张及中町村;村是三首大大王·八 前俸相急你一所得都及管事收查被了具体作了了 化自動車都は何何在これ、一気除せるとりと事業に打してい 了一天衛中三十十十年十二年八十八年八十八年八年八年 後年十年一年十月 工作物或、物件使用動力之、收入了學等一十多種想之 11-1-11-11-11 本人深 自動車等等人等人事事事人人的成果我 核又、有料·政府一部下三至下衛人之十年、本法施并一日三月 五年间命令一定公斤一衛一衛之後不多除了 如此僕有劉京蒙進令在二事者打張一仍合於了政府 - 許可了受人、事事の原人の故衛、受用、見いい考察会 以初有十條 自動車製造官社·政府-初市了受といす事人 金額神之前と願え、よ日本了神や、から上月度 如其是原文教籍一原用"九江是南京不二、族相谷 1 降一种展上記一一在其一一样不是人一样人也不少好。因为在

百面要等是今日小你門人解散天然、命令一定日本了了 政府部門了至此非民民政司以日十十年以 知我是因之後等了一个年月日初初十十五年上年久公府後一 日本府(日朝里等沒今江,江,本多花及今年,河,野山日 のとはあるできるとなったとれかりころとは 及而致指一个原了一十七次一日在了大百里人了一日都中 Qu 等海食不幸衛門一本衛門有本本川工物·食品有其一大一個河 題按事務在一个新者一次光人情事事務也不多 年一日後在日本日日日日日日 以中人日本日本日本日本日本人日本大衛 Olle wat to to set ? オナ大学、民府の金工であるトリアのとけ、自動連者かる 今在、ないいと日都里花、日都中部今日一段高月四日本村へ :我看《秦中一是改多人一分一公文、日前是十七年八分子即奉子 食用一衛衛門衛子衛門一十二分的十八年後天子今十八年 nerout 然,你看这里~~我也有一个那么好了的都里都找食,然"我」 是一次衛一下孫又以改良了命事之十日得

10.25 g

No 36

本三十八日新年教送至本京一次候以本一年以上所到于四項一招入了一年一人所到于四項一招入了一年一月項,想完一成一年十二樣一便是一次以前限三年又一十十二樣,便是一次以前限三年又一十五樣,與定二妻又一十十十人人,便是二妻又一計可可多又十天二年日第十十十十月 在人人人一年日第十十十十月 在人人人一年日第十十十十月 在人人人一年日第十十十十月 在人人人一年日

取然後之前限之計馬為所住司監查後,解任司務了作品之為以行為一十五樣,新明之本三樣,許可戶限衛之以及為一官又以行為了十五月以上去以上去,成所以了京子祭之命令《文、之二等十十五月以上是五人之人之之之之

自動車製造市本委員会局及規模、動会力工委員会員不禁了後人之分十十八年命令日十十二十八十十八日南東朝近幸不不十八年八時成今十十八年八日東朝祖李平十八時成府南三條一許可、守上僕、制限又

被該以便軍上以軍工事項目命人將経進自衛吏三倒己并殊事項一衛完之、持就該属事數經会社村二軍用目衛車入了部外區勘

一分分子 東京といいとといり取替後又、り即答し行 ·監查後了三十月十一日間食品人 才三條白萬事禁造合在己分等了一二該当之 十十八又取締役人、了職務司作了監查後子十 用汉下,四部色三则又 「お十三條十一項」問定一達及二部可り多ケヤル 李華等前回了家能之了 三者十三條本三項合合一造及三事本民計画了完成 東なること、そのまれでとかいよう 三十四條本一項、題是三成り許可了会了八十年時 m that was well with sit was not 四、木工五條本三項一命令又以與今日達及三日以上午 本三一條 在,及写了一一該当之也者八五百円以下人 四割金三肥人 一十十五條不一項一題是一次 報告了各女又又、是一 後一般去了為上了生者 三才十五律子三項一問是二体 当該智吏、殿被檢 至了指言好了在(見姓之人)了質問三村之為本 月年 苦花:是您人陳何了及之月山孝 宋丰田條自衛東蒙進令在了他,目為車三图之 谷多幸素了代理人一定是家族一番人以他然 苦素者中少女等務二度之本法若仁本法之甚至十月然元化

命食及八之三百至千百名又然今日達及三至八十年、日己

杨三天命令三五年也一門一依一昭初十十千八日九日 と小一項の記は後上録をオ三峰は定立 三年东海村行。然俱三直、第上本等日兴区上看八 日間によるえい 至一事者、おはことには 昭和十五八月九日江了一村下自動車一部大造事事 一門一里を見るりかなり」

子中海にきし場合にだって、中海に打ていいする、計可え、不可え、不 劣項一招かいスノを受ノ即同内二十三様、許可 一面リーリアの家

ヨリニュラで作りま二様、相にいいく事事事をう 又:>一章書子承經三分以者以本法把行自 本本法於行一際祖三自己的東部於選者不可答山者 本法松行、朝日、新の、天子之子は

能力を有るし来成主者一件トントが三位三文 300 之子通用人。但正是甚二周山成于者二同一 年者及以哲小治是老百十少十十八分為定代屋人三 00 時後と他、注人、本本語を新行る後食三未成 り適用スで写到いと者が法人ナルトナ、確主、取り適用スで写到 本二十五條一一流入一本江二百至千下谷三依何一依何一依 、指揮しるアナー、はらなって、他門の見して得る

(4)

10 25 St.